

# *School of Design and Environment National University of Singapore*

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## **Dr. Khee Poh LAM** **Associate Professor of Architecture and Building**

### *Academic Qualifications*

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Ph.D. (Architecture)  
Carnegie Mellon University, USA. 1994

Bachelor of Architecture (Hons)  
University of Nottingham, UK. 1982

Bachelor of Arts (Architecture & Environmental Design)(Hons),  
University of Nottingham, UK. 1979

Registered Architect, Architects Registration Board, UK. 1984

Corporate Member, Royal Institute of British Architects, UK. 1984

### *Key Appointments*

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2000 - 2002 Head, Department of Building, School of Design and Environment

1998 - 2000 Acting Dean, Faculty of Architecture, Building & Real Estate, and  
Director, Graduate School of the Built Environment, NUS

1998 - present Associate Professor (joint appointment in the Department of  
Architecture and Department of Building, NUS since 2000) - tenured.

1995 - 1998 Vice-Dean, Faculty of Architecture, Building & Real Estate, NUS.  
Director, B. Arch / M. Arch. Programs, School of Architecture, NUS.

1994 - 1996 Building Construction, Services and Technology Course Leader,  
School of Architecture, NUS.

1995 - 1998 Senior Lecturer, School of Architecture, NUS - tenured.

1986 - 1989 Co-ordinator of BA(AS) Building Construction & Structure Courses,  
School of Architecture, NUS.

1984 - 1995 Lecturer, School of Architecture, NUS (study leave from  
1989- 1994 for PhD program at Carnegie Mellon University, USA).

1982 - 1984 Architect, Nottinghamshire County Council Architects Department,  
County Hall, West Bridgford, Nottingham, NG2 7QP, UK.

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**OTHER APPOINTMENTS  
AND SERVICES****International***Industry*

Appointed as a member of the Advisory Council for Asia 2001 by Dupont Inc. (August 2001).

*Academic*

Appointed by the President of Carnegie Mellon University as Academic Co-Chair of the Advisory Board to the School of Architecture at CMU (May 2001).

External Examiner for a PhD thesis, Faculty of Architecture, Delft University of Technology (June 2001).

Member, International Advisory Board, International Journal of Lighting Research and Technology, published by Edward Arnold (Publishers) Ltd, London, UK. (June 2000-June 2003).

Member of the International Scientific Committee for the CIB World Building Congress 2001, Wellington, New Zealand. (September 2000).

Member, International Program Committee, 17th International Symposium on Automation and Robotics in Construction, 18-20 September 2000, Taipei, Taiwan.

External Examiner for the Architecture Programme at the Faculty of Architecture, Universiti Teknologi Mara, Shah Alam, Malaysia (2000 - ongoing).

Member, Editorial Board, The Real Estate Times. (International Refereed Journal by Pidemco Land Research, Singapore). (November 1998 - ongoing).

Member of the Scientific Committee, Building Simulation '99 International Conference, organised by the International Building Performance Simulation Association, to be held in Kyoto, Japan, 13-15 September 1999. Also provided service as a reviewer.

Member, Editorial Board, Journal of Southeast Asian Architecture. (International Refereed Journal published by the School of Architecture, NUS). (1997 - 1999).

Founding member of the Board of Editors, The International Journal of Corporate Real Estate. (International Refereed Journal of the Institute of Corporate Real Estate, NACORE, USA, published by Henry Stewart Publications, UK). (November 1997 - ongoing).

**National***Government*

Appointed by Building and Construction Authority as a member of the inaugural C21 Best Practices Award Committee (2000- ongoing).

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Resource Person for the Construction 21 Steering Committee, chaired by the Permanent Secretary of Manpower Ministry, Dr. Tan Chin Nam. (May 1998 - October 1999).

Member of the Constructions 21: Industry Practices & Techniques Group. (September 1998 - October 1999).

Member of the Industry Committee on Manpower Projections and Needs of the Constructions Industry in Singapore, convened by the Construction Industry Development Board. (1996).

#### *Industry*

Member of the Jurong Town Corporation Design Review Committee (2000-2002)

Member, Housing and Urban Design Committee, Singapore Institute of Architects. 1995/96, 1996/97, 1997/8, 1998/99.

Appointed by the Council of the Singapore Institute of Architects as a member of the Panel of Jury for the "SIA GOLD MEDAL AWARD for Lifetime Contribution to Architecture", to be awarded to an architect in Singapore. (From January 1998 - ongoing).

Member of the Committee for the Outstanding Architectural/Engineering Firms Awards 1999, Society of Project Managers, Singapore. (October 1998).

Member of the Panel of Judges for the 1998 Singapore Institute of Landscape Architects Professional Award Competition. (November 1998).

Member of the panel of assessors for the Eco-Building Architectural Design Competition organised by the Singapore Institute of Architects, Estate Developers' Association of Singapore and the Faculty of Architecture and Building, NUS. (October 1995).

#### *Academic*

Ministry of Community Development - The Institute of Policy Studies. Conference on "Ageing in Singapore : Facing Challenges, Seizing Opportunities", 24-25 September 1999. Orchard Hotel, Singapore Chairman, Parallel Workgroup on Housing and Land Use Policies

Urban Redevelopment Authority - The Institute of Policy Studies. World Conference on Model Cities, 19-21 April 1999. Westin Stamford, Singapore. Moderator, Sectorial Session on "Identity and the City".

Appointed as a member of the Validation Panel for the Diploma in Architectural Technology Course at Singapore Polytechnic (December 1997).

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## TEACHING

Architectural Design, Building Technology (Construction and Structures), Environmental Science, Total Building Performance and Diagnostics, Computational Design Support Tools.

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## RESEARCH

Mapping of Industry Building Product Model for Detailed Thermal Simulation and Analysis.

SEMPER II - Digital Building Models for Intranet Collaborative Design Computing.

Mapping of the Sky Luminance Distribution and Computational Prediction of Daylighting Performance in Singapore.

The Establishment of Architectural and Technical Standards and Guidelines for the Design and Maintenance of Marine Mammal Facilities.

A Pilot Study into the Feasibility of Applying an Integrated and Total Building Performance Method to the Evaluation of School Buildings in Hong Kong.

A study of the Use of Performance Based Simulation Tools for Building Design and Evaluation in Singapore.

Study of Daylight Attenuation Through Windows in Urban Environments

An Integrated Building Assessment Method Using the Total Building Performance Approach.

Applying Advanced Lighting Visualisation Techniques to Architectural Design in the Local Context.

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## CONSULTANCY SERVICES

*National Library Board, Singapore.*

Won the international design competition with T R Hamzah & Yeang/Swan and Maclaren Architects team to design and building the new National Library Board (NLB) Building.

*Singapore Cricket Club*

Assessment of environmental performance of the proposed remedial works to the premises of the Singapore Cricket Club.

*Pidemco Land Ltd., Singapore*

A Total Building Performance Study of the CAPITAL TOWER (POSBank Tower).

*Allegro Investments Pte Ltd, Singapore.*

Investigation of Moisture and Mildew Problems at a Private Condominium Development.

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*C&S Construction Pte Ltd, Singapore*

Consultant on External Floor Finishes for Pierce Villa Project.

*May Oh and Wee Advocates and Solicitors, Singapore*

Consultant and Expert Witness on Water Leakage Through Skylights at a Private Residential Property.

*Jurong Town Corporation, Singapore*

Consultant on the "Design Evaluation of the 'Model A' Prototype Multi-level Factory Complex".

*Urban Redevelopment Authority, Singapore*

Consultant on the proposed URA Headquarters Building Project:

Specification of the concept of Total Building Performance in the Design & Build tender documentation.

Tender evaluation, with specific reference to the implementation of Total Building.

*RSP Architects Planners and Engineers, Singapore*

Preparation of Technical Manual on Good Architectural Detailing Practice.

Analysis of the Performance of Existing Architectural Details in the Office and preparation of a Technical Manual of Good Detailing Practice.

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